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PATENT ABSTRACTS OF JAPAN

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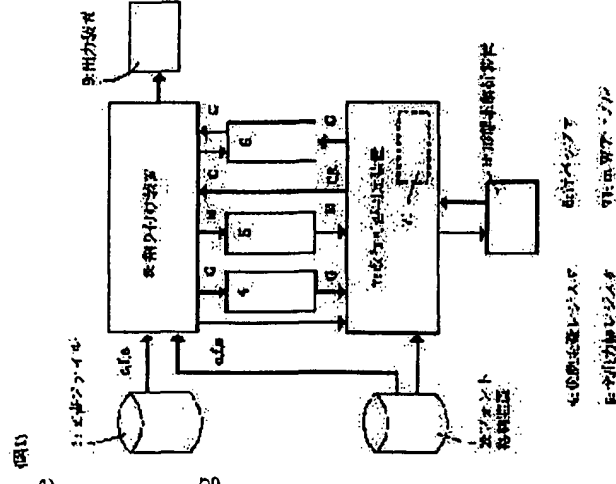(21)Application number : 2001-305858

(71)Applicant :   FUJI XEROX CO LTD

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(54) DOCUMENT PROCESSOR

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a document processor capable of precisely determining whether the way of line feed in creating a text is right or wrong so as not to cause the disadvantage in reading the document such as interruption of thinking.

SOLUTION: This document processor is provided with a mechanism for performing parsing for a character string to be output to obtain a first syntactic tree, in which the respective morphemes in the morpheme string are provided as leaves, and a second syntactic tree, in which the respective morphemes in the morpheme string are provided as leaves, a mechanism for performing semantic factoring for a character string to be output to obtain the semantic attribute of the respective morphemes in the morpheme string, and a mechanism for deciding a line feed portion with a morpheme or semantic deep relation and with a suitable length of a character string occupying one line in outputting according to designated evaluation on the suitability of the line feed position and the width in the allocating direction. Required parsing and semantic factoring are performed for the character string to be output, and the position where character string regions especially having deep semantic relation are output in the same line is selected as a line feed position.

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PN - JP2002163250 A 20020607

TI - DOCUMENT PROCESSOR

AB - PROBLEM TO BE SOLVED: To provide a document processor capable of precisely determining whether the way of line feed in creating a text is right or wrong so as not to cause the disadvantage in reading the document such as interruption of thinking. SOLUTION: This document processor is provided with a mechanism for performing parsing for a character string to be output to obtain a first syntactic tree, in which the respective morphemes in the morpheme string are provided as leaves, and a second syntactic tree, in which the respective morphemes in the morpheme string are provided as leaves, a mechanism for performing semantic factoring for a character string to be output to obtain the semantic attribute of the respective morphemes in the morpheme string, and a mechanism for deciding a line feed portion with a morpheme or semantic deep relation and with a suitable length of a character string occupying one line in outputting according to designated evaluation on the suitability of the line feed position and the width in the allocating direction. Required parsing and semantic factoring are performed for the character string to be output, and the position where character string regions especially having deep semantic relation are output in the same line is selected as a line feed position.

FI - G06F17/21&542Z; G06F17/21&550A; G06F17/28&X

PA - FUJI XEROX CO LTD

IN - YASUI OSAMU

AP - JP20010305858 20011001

PR - JP20010305858 20011001

DT - I

FT - 5B009/MB16; 5B009/MC02; 5B009/NB03; 5B009/NF13; 5B009/QA03; 5B091/AA15; 5B091/CA05; 5B091/CA12

IC - G06F17/21; G06F17/28

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AN - 2002-505031 [54]

TI - Japanese language document processing apparatus determines position of new line with respect to prescribed character row based on evaluated row length, width of row allotment

AB - NOVELTY : A determination unit (8) determines the position of new-line with respect to prescribed character row based on the evaluated row length and width of row allotment. An output device (9) outputs the analysis result of new-line syntactically and semantically.

- USE : Japanese language document processing apparatus.

- ADVANTAGE : Eliminates the error of inserting new line by determining accurate position of new line.

- DESCRIPTION OF DRAWINGS : The figure shows the block diagram of the document processing device. (Drawing includes non-English language text). 8 : Determination unit 9 : Output device

IW - JAPAN LANGUAGE DOCUMENT PROCESS APPARATUS DETERMINE POSITION NEW LINE RESPECT PRESCRIBED CHARACTER ROW BASED EVALUATE LENGTH WIDTH ALLOT

PN - JP2002163250   A   20020607 DW200254

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PR - JP19930119236 19930423; JP200103058858 19930423